

#61

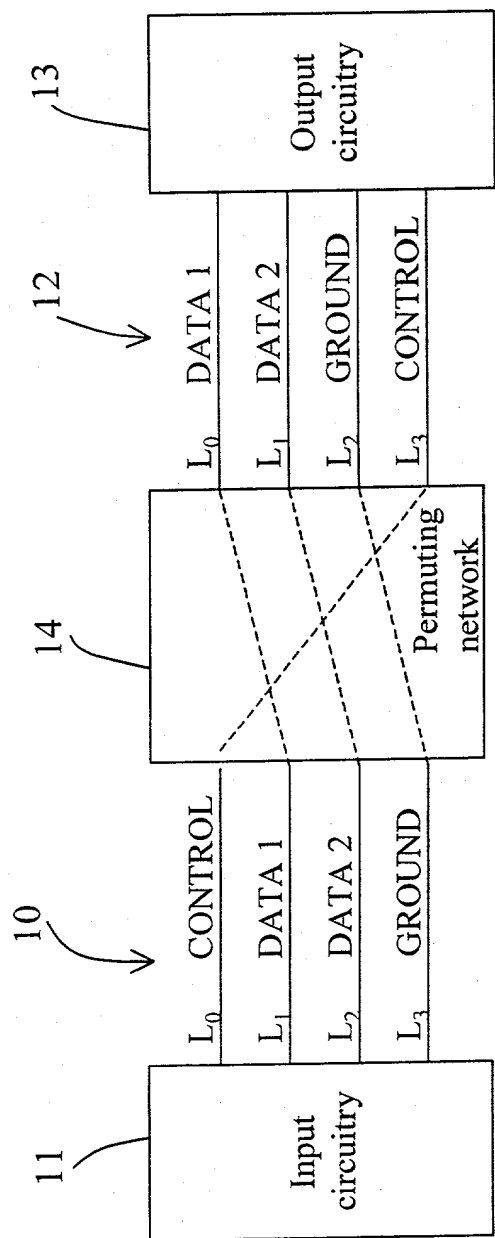


FIG. 1A

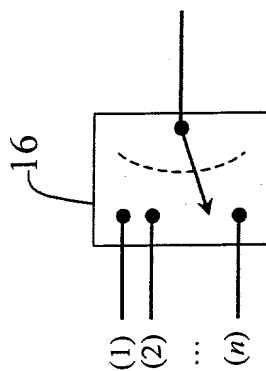


FIG. 1B

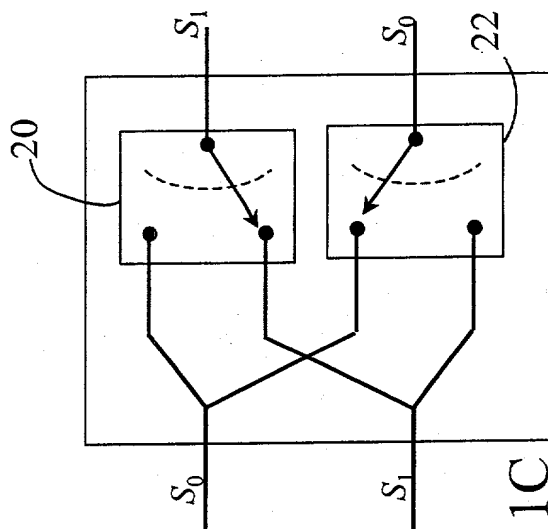


FIG. 1C

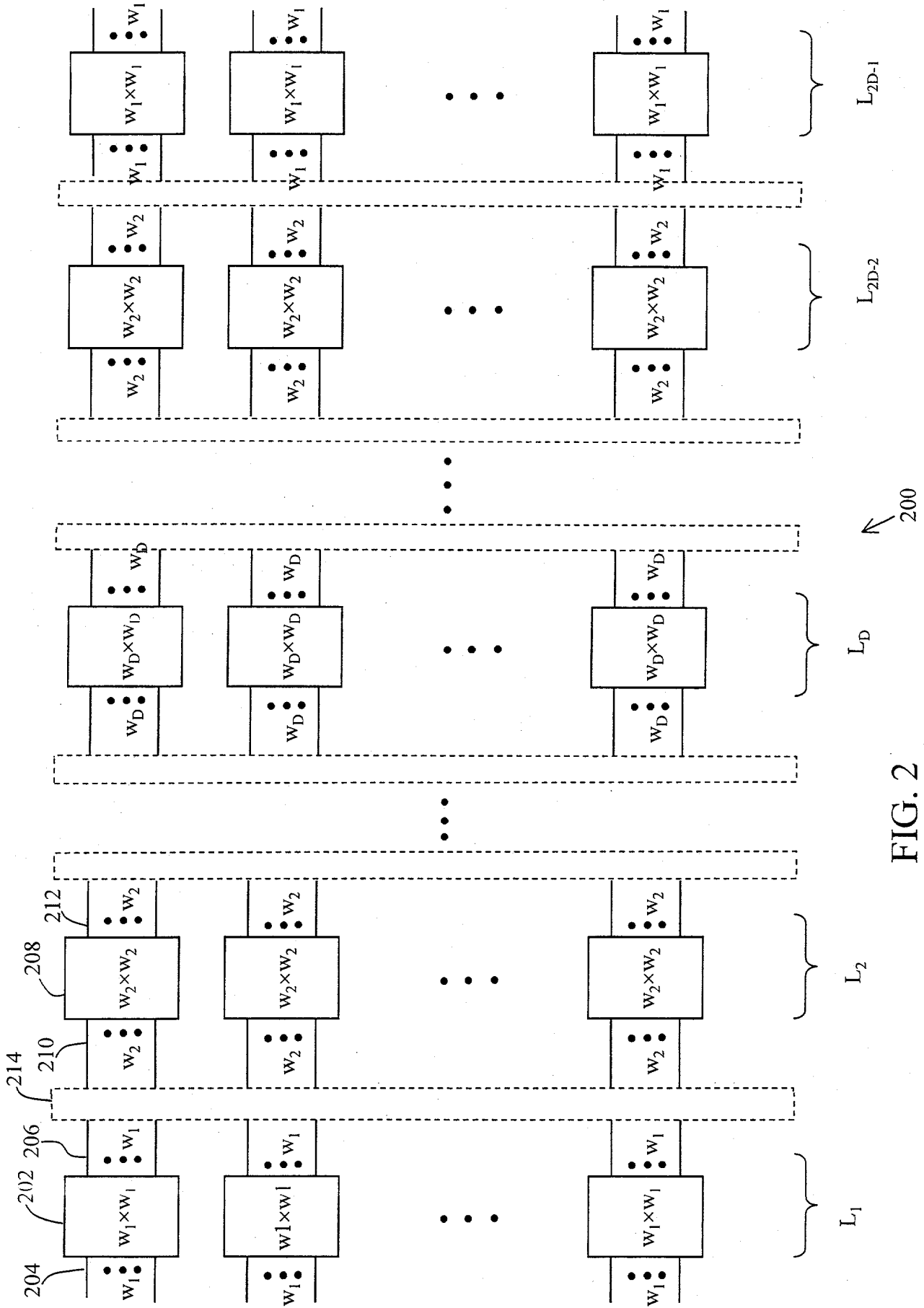


FIG. 2

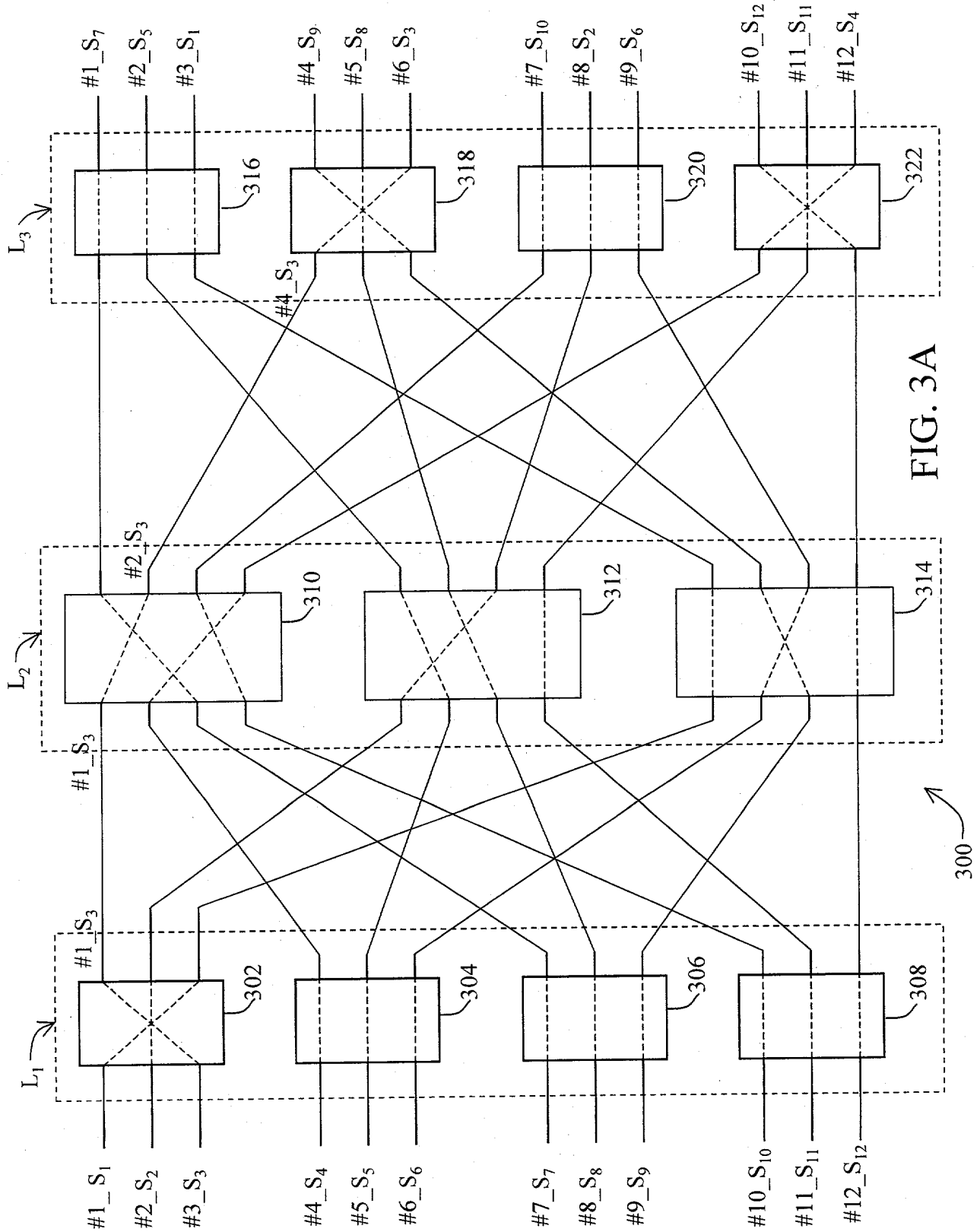


FIG. 3A

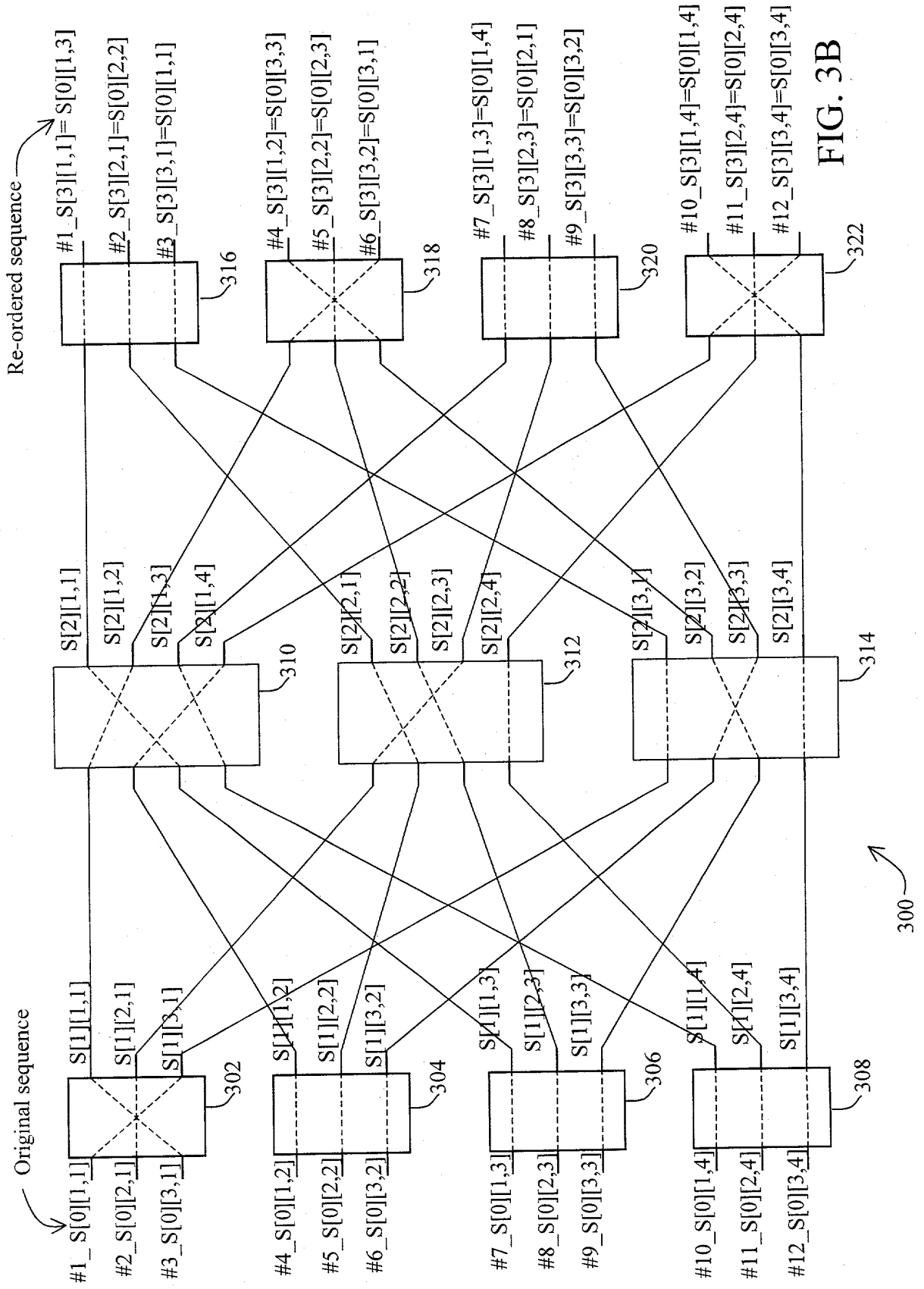


FIG. 3B

MAPPING GOAL

Input #1 : [1,1] \longrightarrow Output #1 : [3,1]

Input #2 : [2,1] \longrightarrow Output #2 : [2,3]

Input #3 : [3,1] \longrightarrow Output #3 : [3,2]

Input #4 : [1,2] \longrightarrow Output #4 : [3,4]

Input #5 : [2,2] \longrightarrow Output #5 : [2,1]

Input #6 : [3,2] \longrightarrow Output #6 : [3,3]

Input #7 : [1,3] \longrightarrow Output #7 : [1,1]

Input #8 : [2,3] \longrightarrow Output #8 : [2,2]

Input #9 : [3,3] \longrightarrow Output #9 : [1,2]

Input #10 : [1,4] \longrightarrow Output #10 : [1,3]

Input #11 : [2,4] \longrightarrow Output #11 : [2,4]

Input #12 : [3,4] \longrightarrow Output #12 : [1,4]

FIG. 4A

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SWITCH SEQUENCE

[1,1] → [3,1] → [3,1] → [3,1]

[2,1] → [2,1] → [2,3] → [2,3]

[3,1] → [1,1] → [1,2] → [3,2]

[1,2] → [1,2] → [1,4] → [3,4]

[2,2] → [2,2] → [2,1] → [2,1]

[3,2] → [3,2] → [3,3] → [3,3]

[1,3] → [1,3] → [1,1] → [1,1]

[2,3] → [2,3] → [2,2] → [2,2]

[3,3] → [3,3] → [3,2] → [1,2]

[1,4] → [1,4] → [1,3] → [1,3]

[2,4] → [2,4] → [2,4] → [2,4]

[3,4] → [3,4] → [3,4] → [1,4]

L_1 : Exchange first coordinate

L_3 : Exchange first coordinate

L_2 : Exchange second coordinate

FIG. 4B

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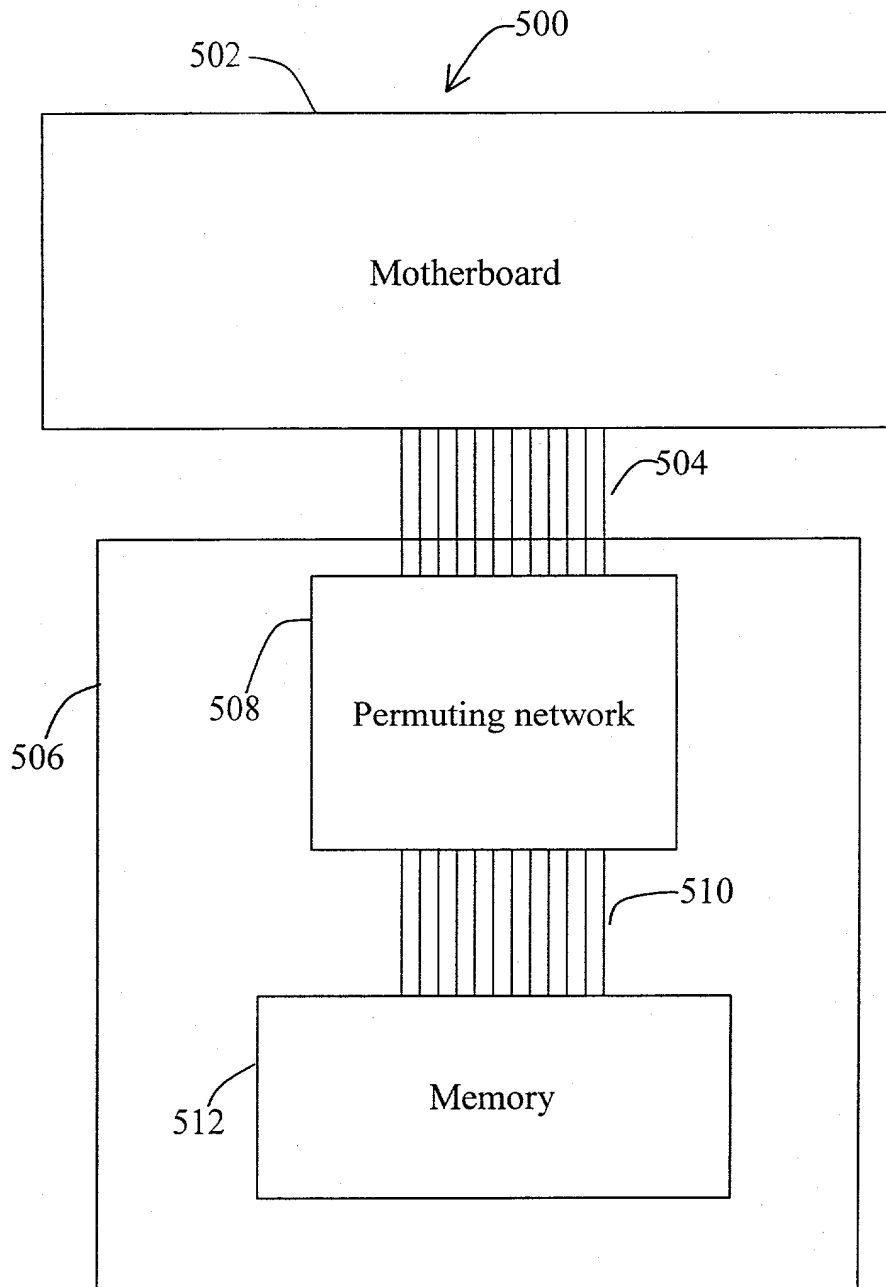


FIG. 5A

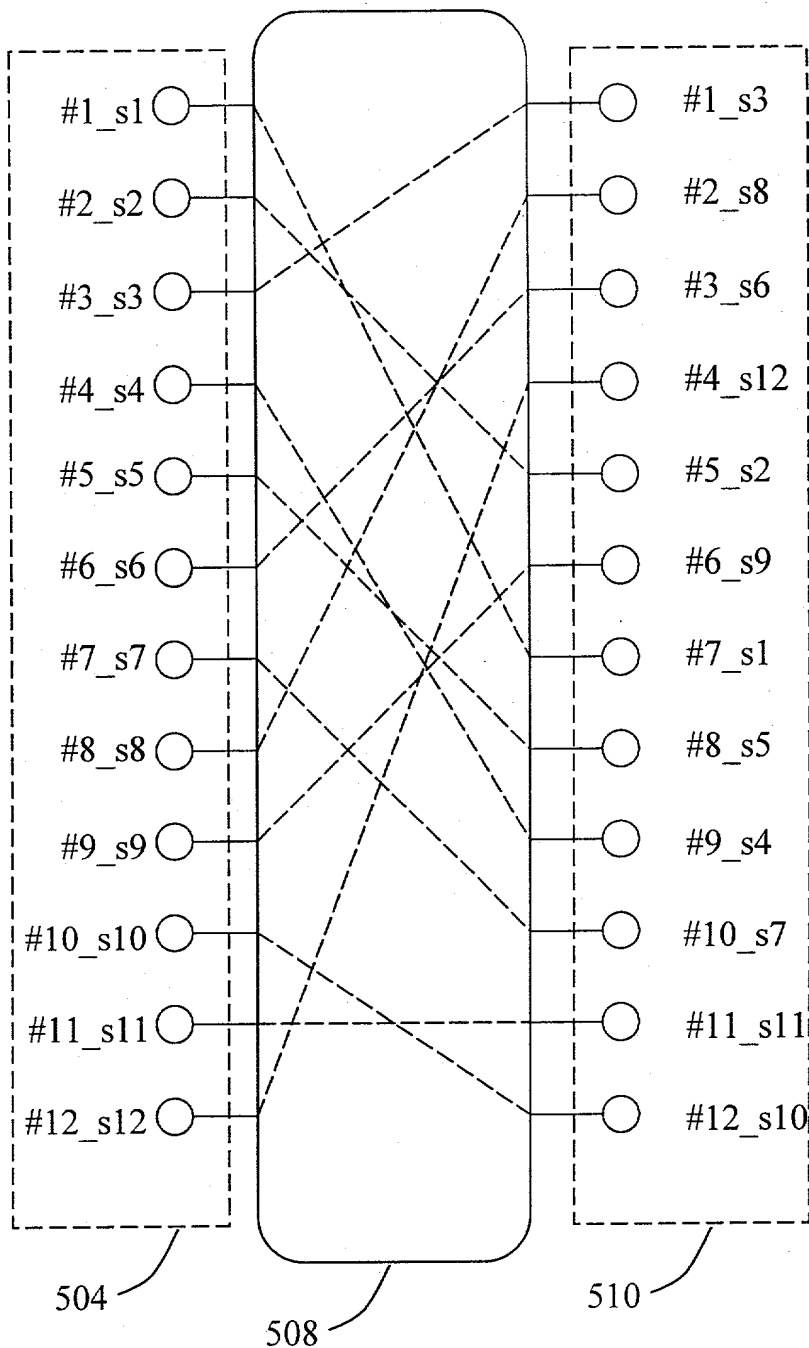


FIG. 5B

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